

IN THE CLAIMS:

1. (Currently Amended) An anchoring element-for fixation in a first bone tissue located in the os zygomaticum and in a second bone tissue located in the maxilla, the first and second bone tissues being separated by non-bone tissue, the anchoring element being elongated and comprising an apex and a first fixation portion disposed at the apex, both adapted for fixation in the first bone tissue, a basis, and a second fixation portion disposed at said basis and adapted for fixation in the second bone tissue, and an intermediate portion positionable in the non-bone tissue separating the first and second bone tissues, wherein both the first and second fixation portions are threaded and the intermediate portion has a smooth outer surface, wherein valleys of the threads of the first and second fixation portions and the smooth outer surface of the intermediate portion lie on an imaginary surface of a truncated cone which converges toward said apex, wherein a recess is formed in threads of the second fixation portion at the intermediate portion, said recess extending transversely to the threads in which it is formed and defines an edge transverse to the threads which provides a groove-forming cutting unit, and an attachment means intended for a denture or a dental bridge located at the basis of the anchoring element, said attachment means comprising an attachment hole with inner threads.

2-23. (Cancelled)

24. (Previously Presented) The anchoring element according to claim 1, wherein at least one elongated recess is are formed in the threads of the first fixation portion adjacent said apex to provide an additional cutting unit.